

Title (en)

Method for improved performance of a vehicle having an internal combustion engine

Title (de)

Verfahren für eine verbesserte Leistung eines Kraftfahrzeugs mit einer Brennkraftmaschine

Title (fr)

Procédé pour améliorer la performance d'un véhicule avec un moteur à combustion interne

Publication

EP 1134401 B1 20090415 (EN)

Application

EP 01302351 A 20010314

Priority

US 52850500 A 20000317

Abstract (en)

[origin: EP1134401A2] An engine control system for managing lean operation of an internal combustion engine coupled to a lean NOx trap (72) uses an indication of vehicle activity. A target amount of tailpipe emission per distance is adjusted based on the vehicle activity indication. Then, engine air-fuel ratio is controlled based on the adjusted target amount of tailpipe emission per distance. Also, the indication of vehicle activity is used to enable decontamination cycles of the lean NOx trap (72). <IMAGE>

IPC 8 full level

F02D 45/00 (2006.01); **F01N 9/00** (2006.01); **F02D 41/02** (2006.01); **F01N 3/08** (2006.01)

CPC (source: EP US)

F01N 3/0842 (2013.01 - EP US); **F02D 41/0275** (2013.01 - EP US); **F02D 41/028** (2013.01 - EP US); **F02D 41/1463** (2013.01 - EP US); **F01N 2570/04** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Cited by

GB2485777A; US8061124B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1134401 A2 20010919; **EP 1134401 A3 20041006**; **EP 1134401 B1 20090415**; DE 60138334 D1 20090528; US 2002189244 A1 20021219; US 6477832 B1 20021112; US 7194854 B2 20070327

DOCDB simple family (application)

EP 01302351 A 20010314; DE 60138334 T 20010314; US 22267202 A 20020816; US 52850500 A 20000317